

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095182.D
 Acq On : 17 May 2017 5:38
 Operator : SJ/MA
 Sample : I3153-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 08:47:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	90669	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	349581	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	116131	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	176730	20.00	ng	0.04
75) Chrysene-d12	18.69	240	175498	20.00	ng	0.04
86) Perylene-d12	20.36	264	131547	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	616851	113.43	ng	0.07
7) Phenol-d6	7.32	99	661078	101.31	ng	0.04
23) Nitrobenzene-d5	8.67	82	415071	74.87	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	92453	97.21	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	615421	76.28	ng	0.03
78) Terphenyl-d14	17.34	244	402815	50.55	ng	0.03
Target Compounds						Qvalue
10) Phenol	7.35	94	15976	2.32	ng	# 48
19) n-Nitroso-di-n-propylamine	8.67	70	52945	12.00	ng	# 74
49) Dimethylphthalate	12.25	163	81988	8.60	ng	# 98
70) Phenanthrene	15.07	178	57650	5.68	ng	98
71) Anthracene	15.07	178	57650	5.56	ng	99
74) Fluoranthene	16.81	202	117241	11.26	ng	97
76) Benzidine	17.02	184	1052	6.78	ng	# 1
77) Pyrene	17.11	202	113354	8.64	ng	98
80) Benzo(a)anthracene	18.72	228	67517	6.61	ng	98
82) Chrysene	18.72	228	67517	6.84	ng	96
83) Bis(2-ethylhexyl)phthalate	18.74	149	114113	13.12	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	28809	3.59	ng	94
87) Benzo(b)fluoranthene	19.96	252	98611	12.13	ng	# 96
88) Benzo(k)fluoranthene	19.96	252	98611	12.58	ng	99
89) Benzo(a)pyrene	20.32	252	41901	5.59	ng	# 95
91) Benzo(g,h,i)perylene	22.10	276	31786	5.23	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF095182.D

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Instrument :

BNA_F

ClientSampleId :

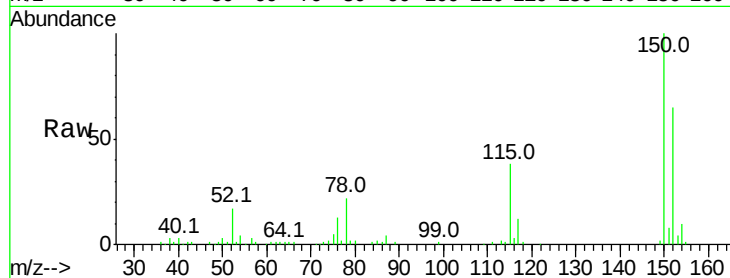
Tot Ion:152 Resp: 90669

Ion Ratio Lower Upper

152 100

150 153.3 126.2 189.2

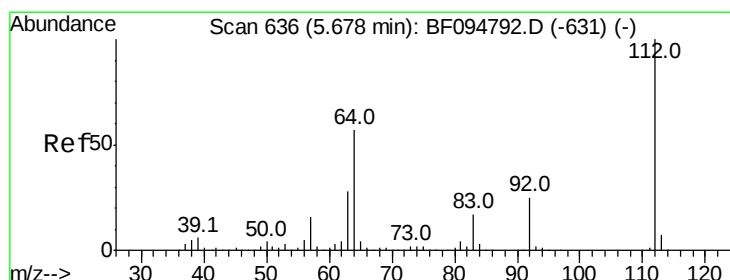
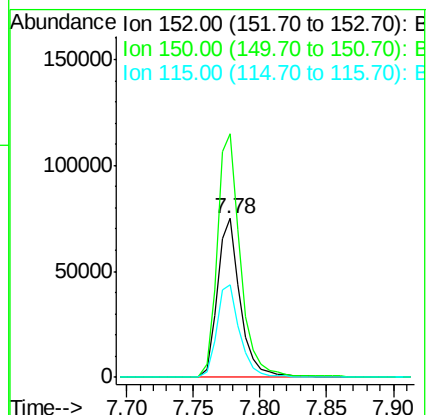
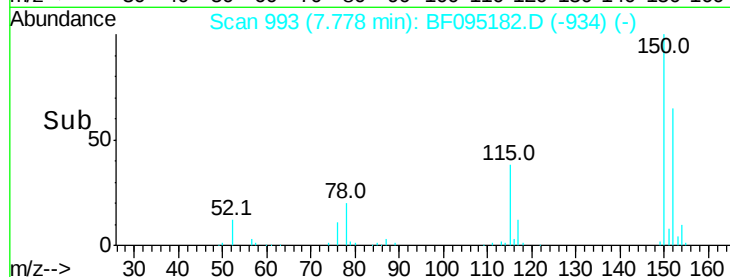
115 58.2 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.43 ng

RT: 5.75 min Scan# 648

Delta R.T. 0.07 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

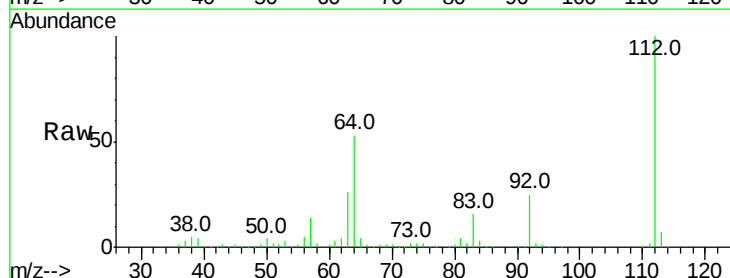
Tgt Ion:112 Resp: 616851

Ion Ratio Lower Upper

112 100

64 52.8 46.0 69.0

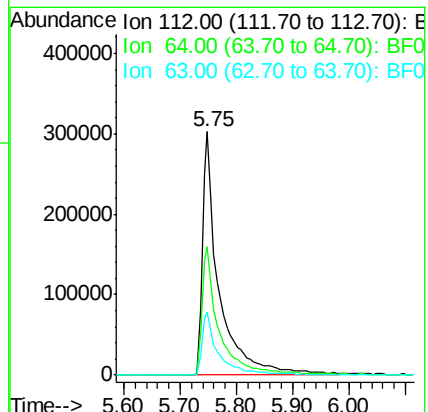
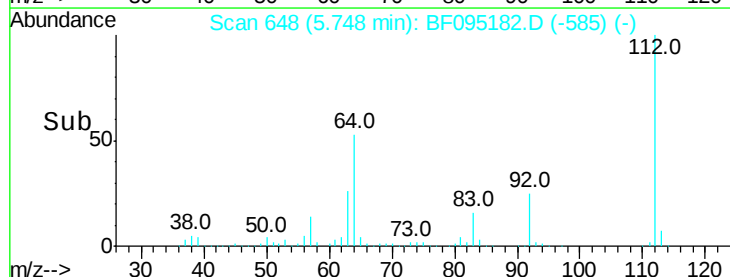
63 25.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.31 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

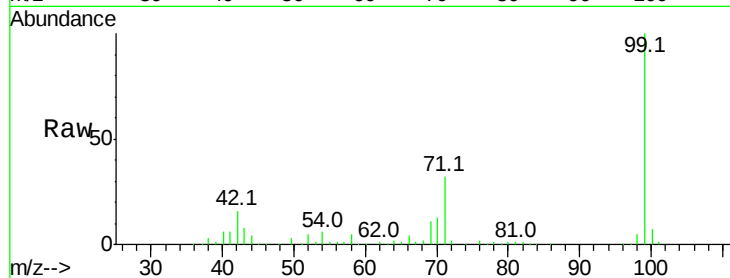
Tot Ion: 99 Resp: 661078

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

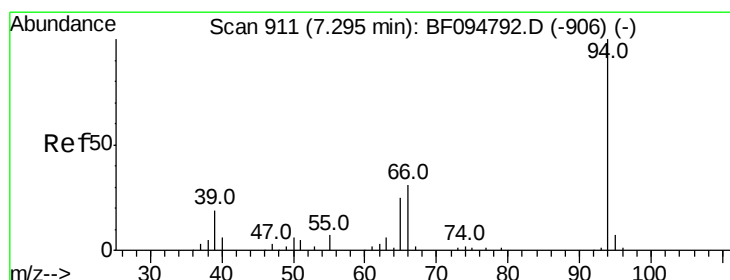
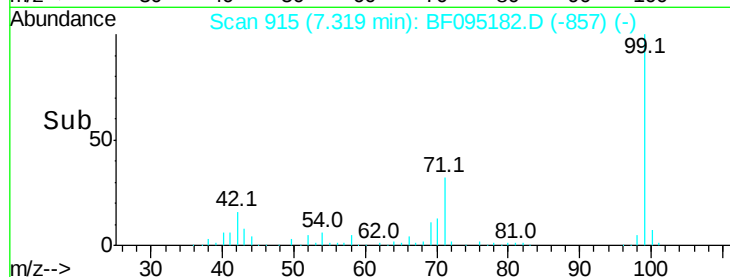
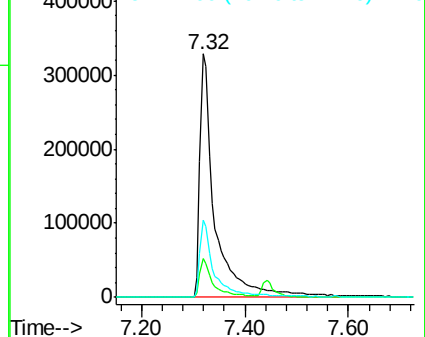
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.32 ng

RT: 7.35 min Scan# 920

Delta R.T. 0.05 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

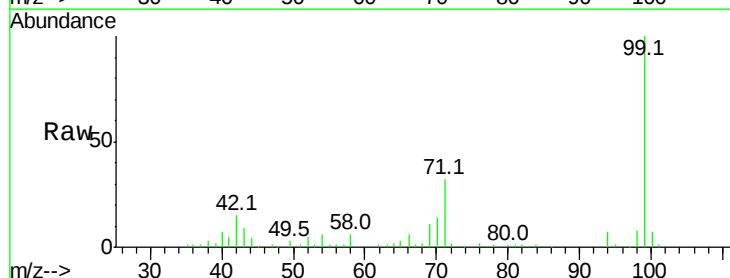
Tgt Ion: 94 Resp: 15976

Ion Ratio Lower Upper

94 100

65 38.0 9.9 49.9

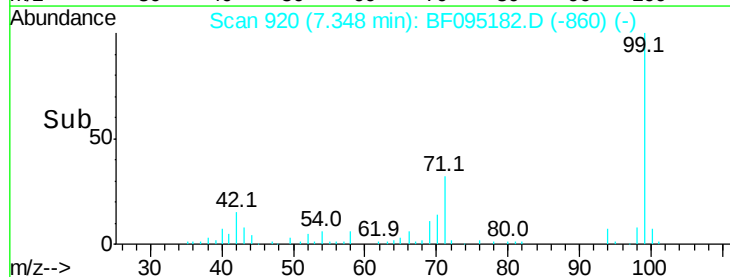
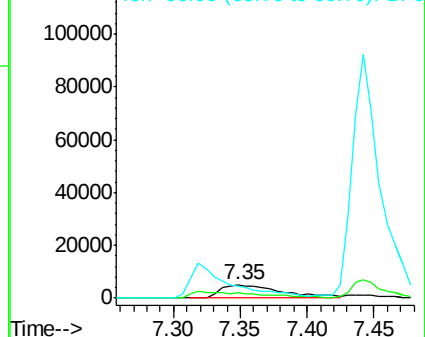
66 92.4 23.1 63.1#

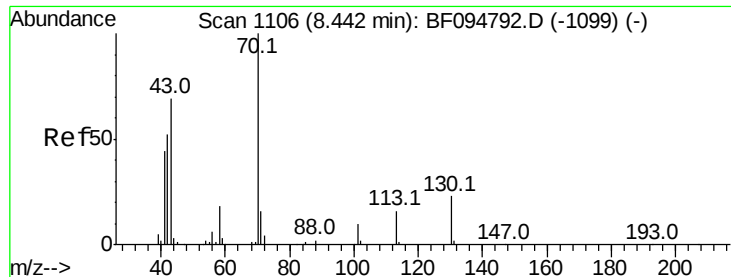


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

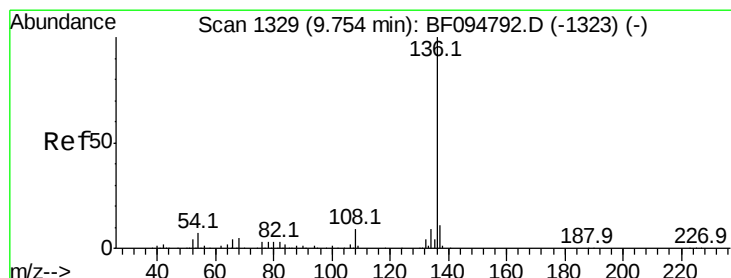
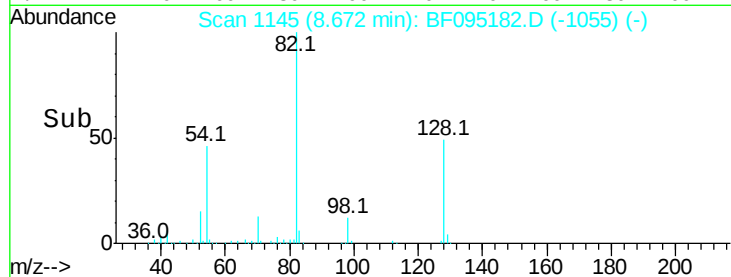
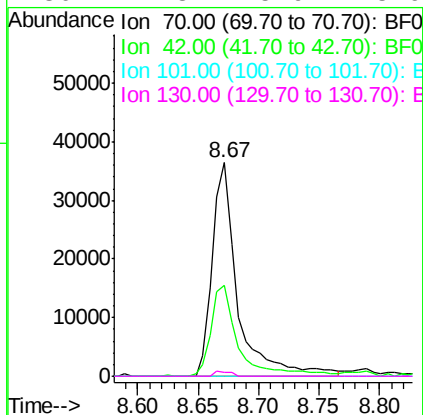
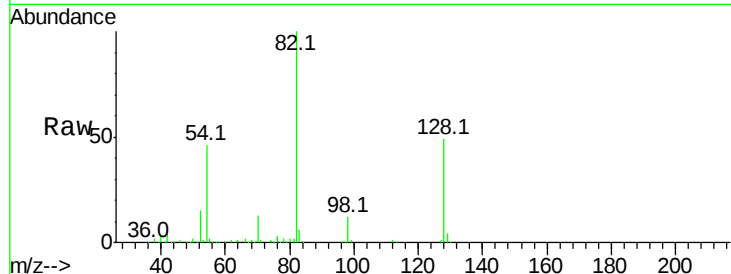




#19
n-Nitroso-di-n-propylamine
Concen: 12.00 ng
RT: 8.67 min Scan# 1145
Delta R.T. 0.23 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

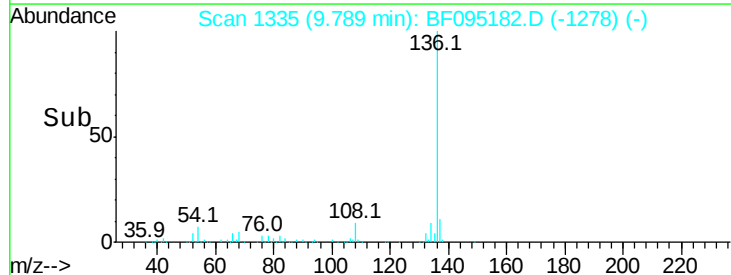
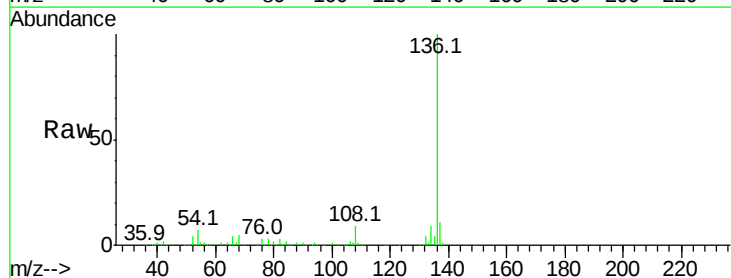
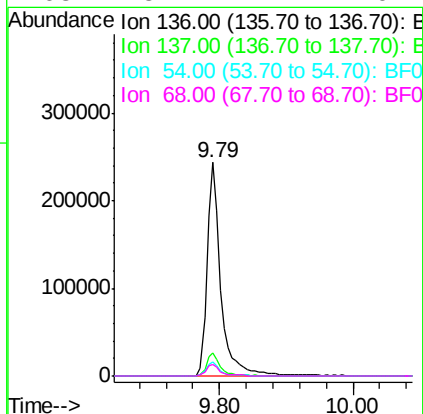
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 52945
Ion Ratio Lower Upper
70 100
42 42.7 47.2 70.8#
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.79 min Scan# 1335
Delta R.T. 0.04 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion: 136 Resp: 349581
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.6 4.9 7.3
68 5.4 4.1 6.1

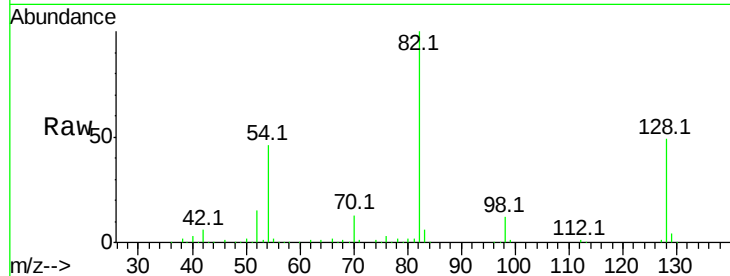




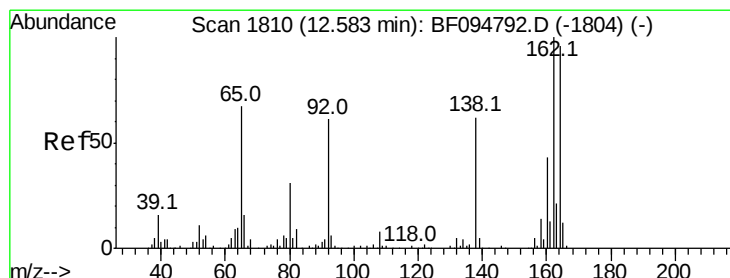
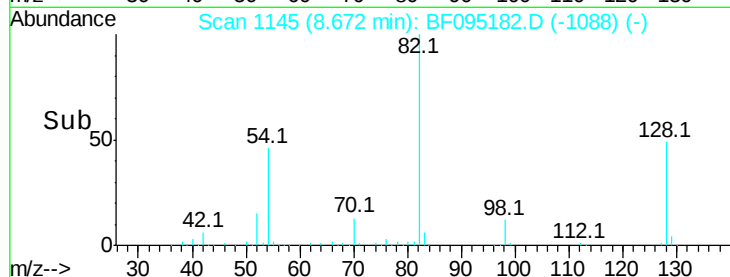
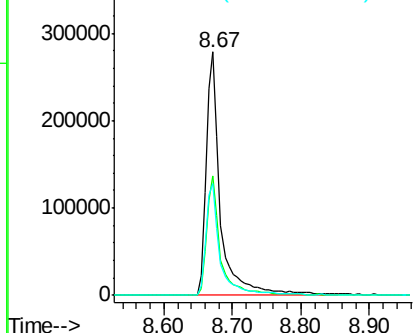
#23
 Nitrobenzene-d5
 Concen: 74.87 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 415071
 Ion Ratio Lower Upper
 82 100
 128 48.8 34.0 51.0
 54 45.9 42.2 63.2

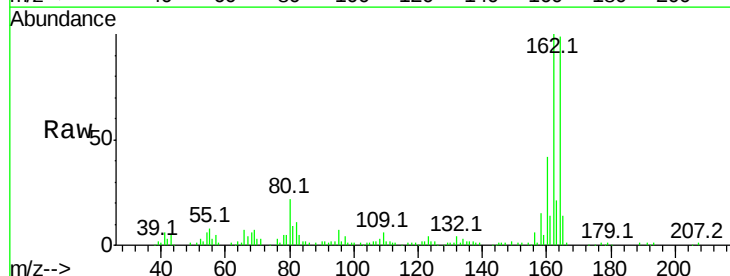


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

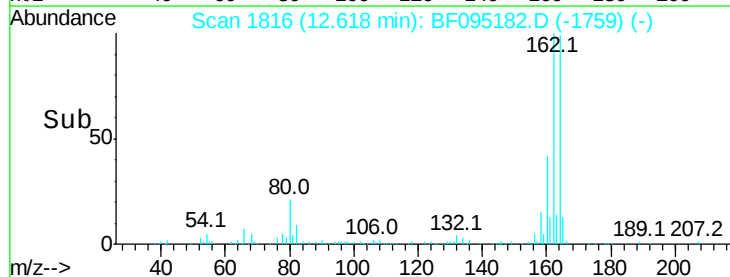
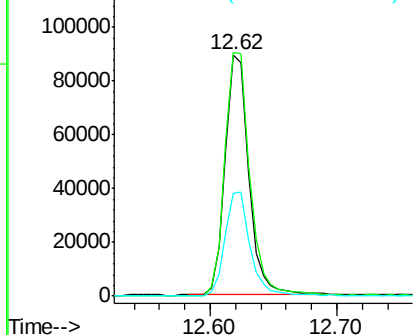


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.04 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Tgt Ion:164 Resp: 116131
 Ion Ratio Lower Upper
 164 100
 162 100.8 82.6 123.8
 160 42.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

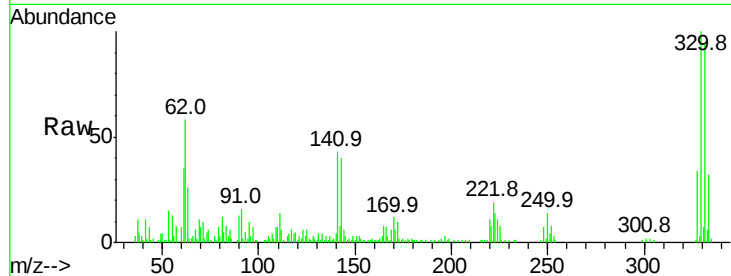




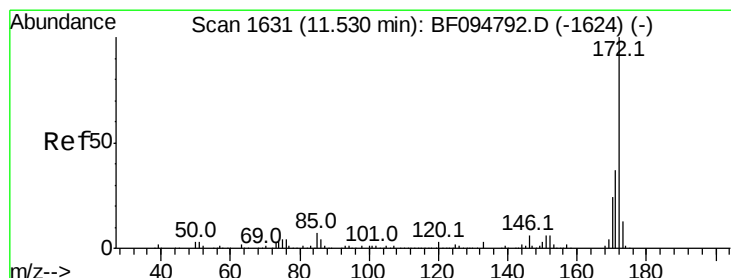
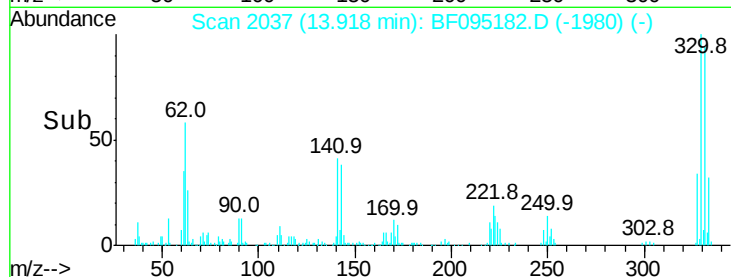
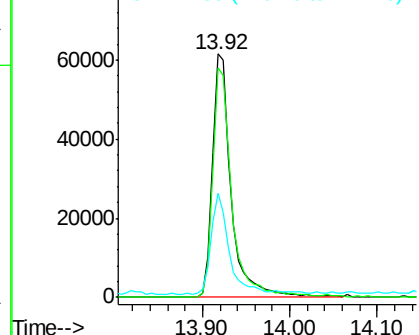
#41
 2,4,6-Tribromophenol
 Concen: 97.21 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 92453
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 38.6 31.4 47.2

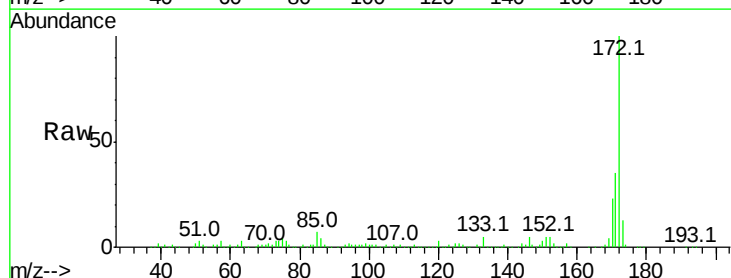


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

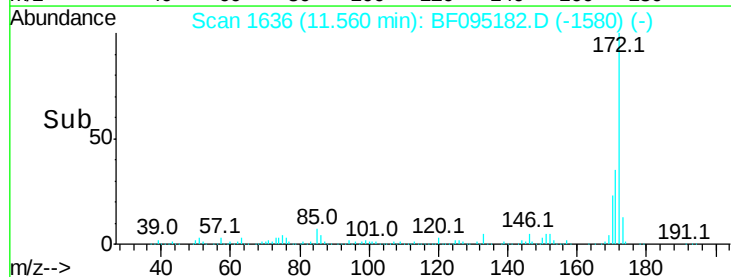
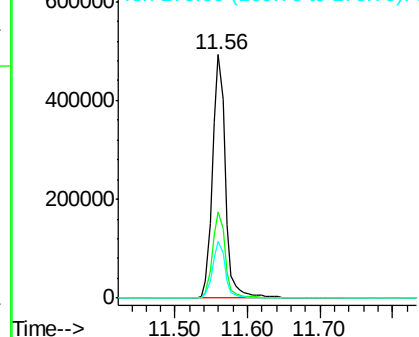


#44
 2-Fluorobiphenyl
 Concen: 76.28 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Tgt Ion:172 Resp: 615421
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.60 ng

RT: 12.25 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

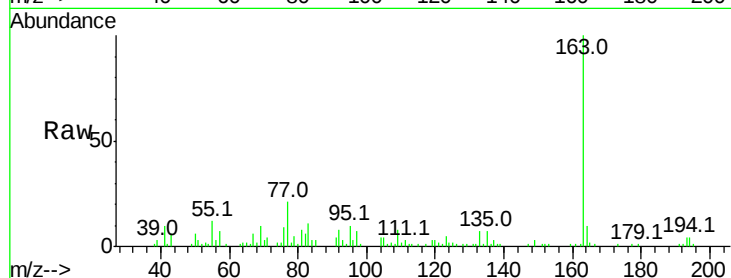
Tot Ion:163 Resp: 81988

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

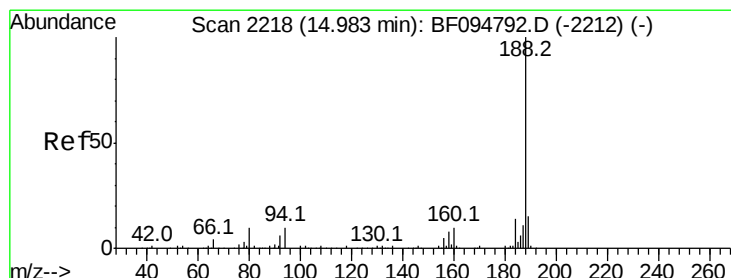
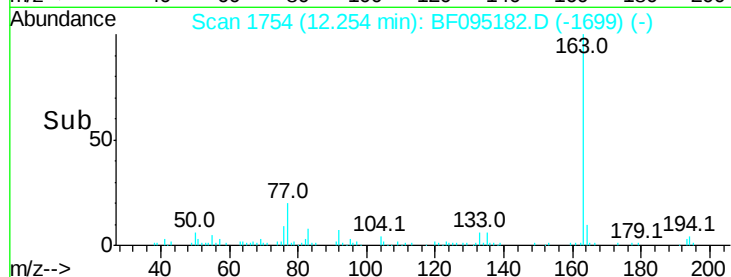
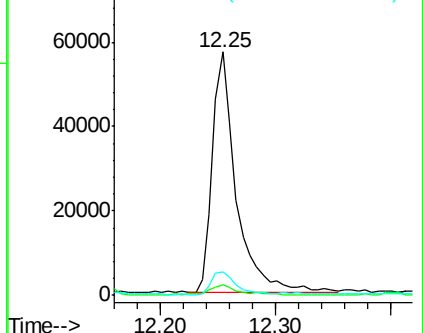
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2225

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

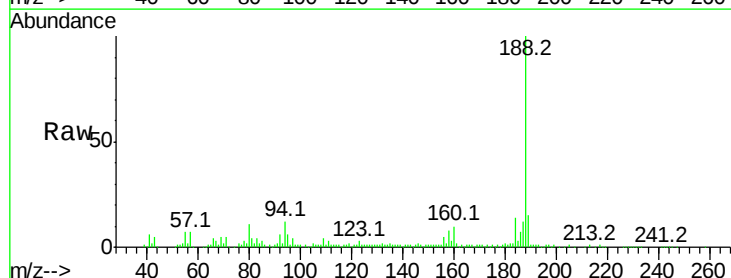
Tgt Ion:188 Resp: 176730

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

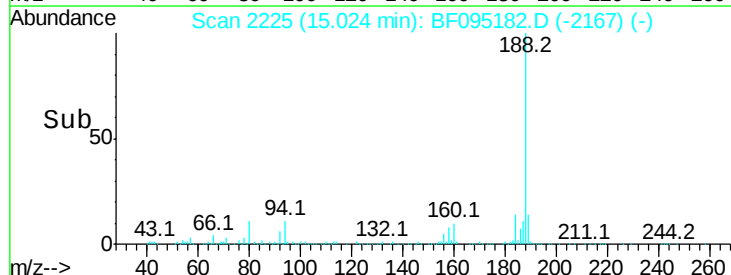
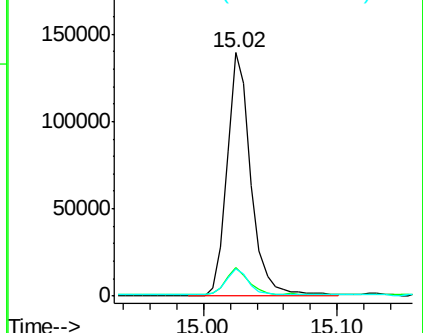
80 11.3 10.2 15.2

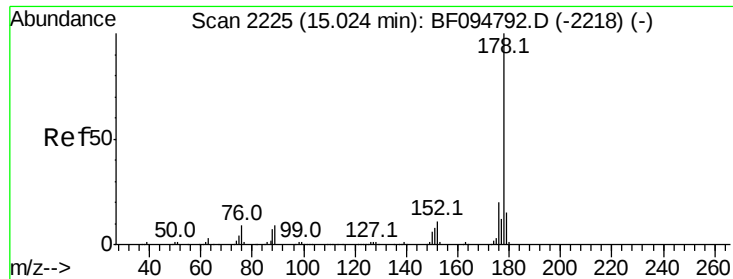


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.68 ng

RT: 15.07 min Scan# 2232

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

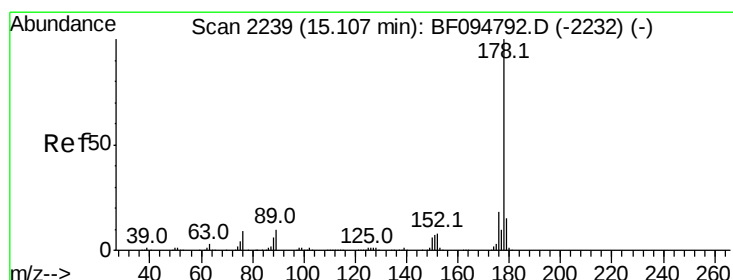
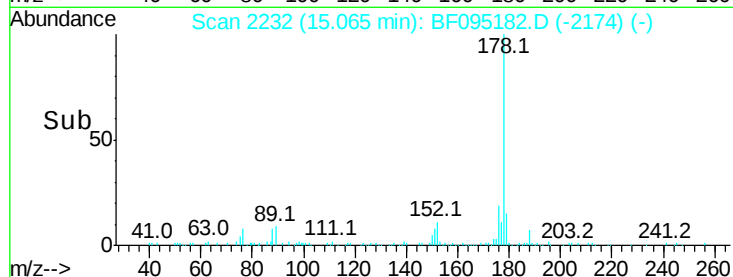
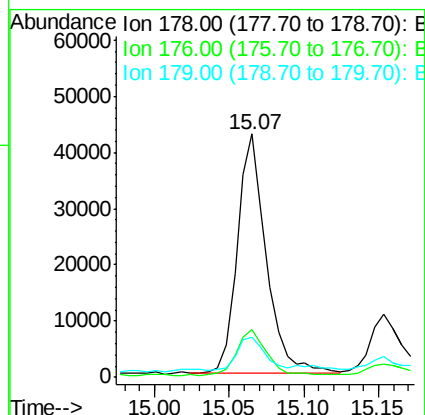
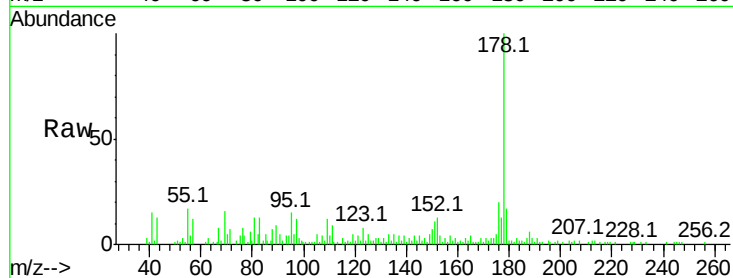
Tot Ion:178 Resp: 57650

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

179 16.6 12.6 19.0



#71

Anthracene

Concen: 5.56 ng

RT: 15.07 min Scan# 2232

Delta R.T. -0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

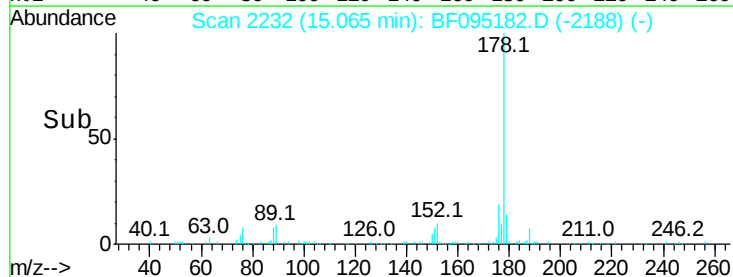
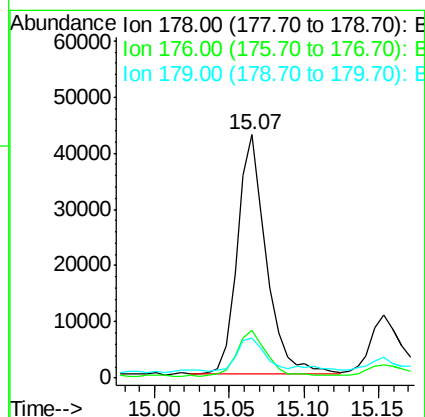
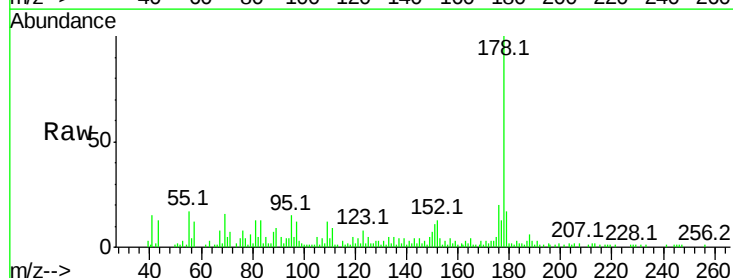
Tgt Ion:178 Resp: 57650

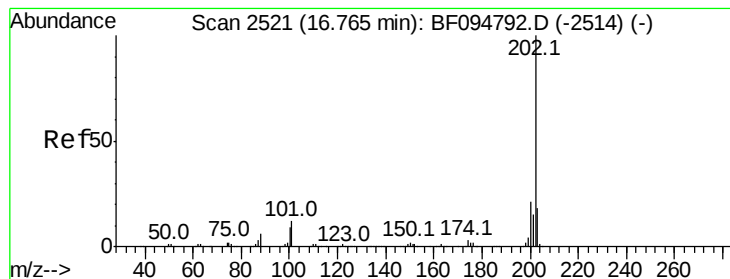
Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

179 16.6 12.7 19.1





#74

Fluoranthene

Concen: 11.26 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

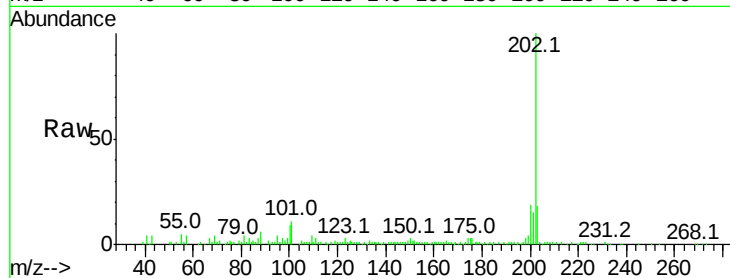
Tot Ion:202 Resp: 117241

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

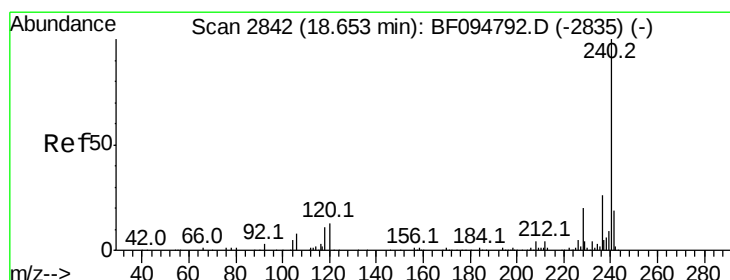
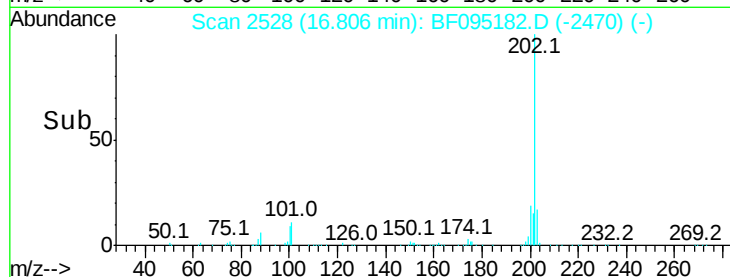
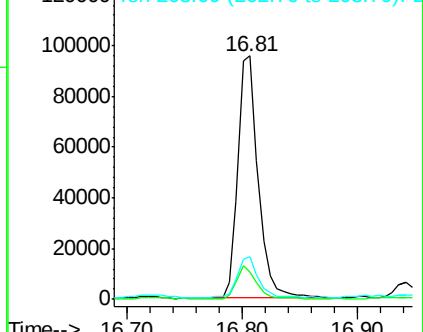
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

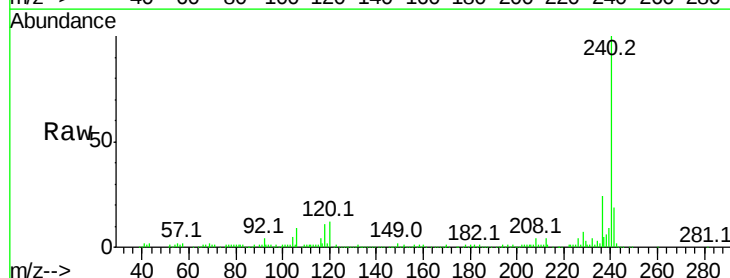
Tgt Ion:240 Resp: 175498

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

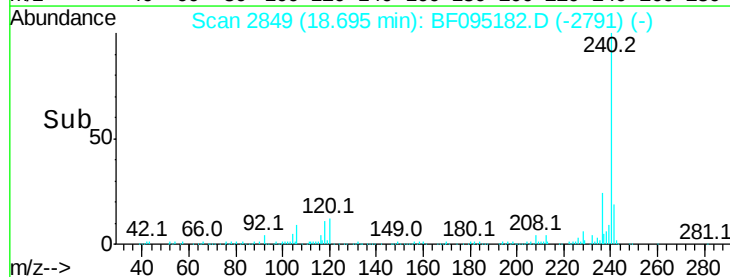
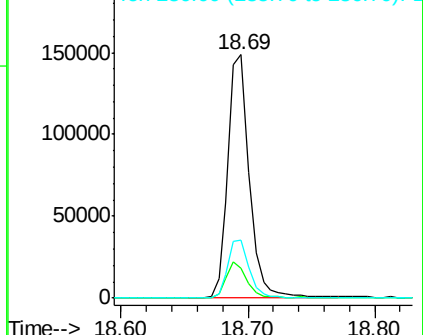
236 23.7 20.5 30.7

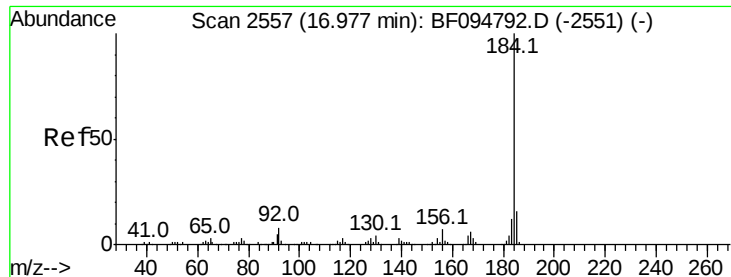


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.78 ng

RT: 17.02 min Scan# 2565

Delta R.T. 0.05 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampled :

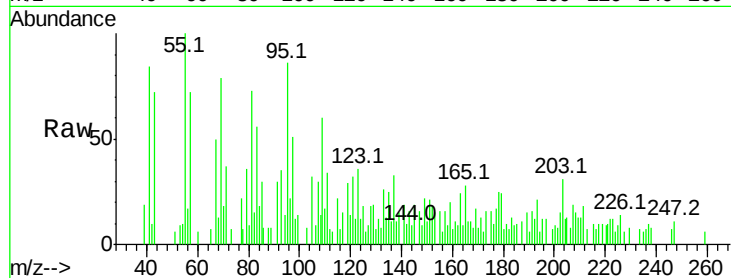
Tot Ion:184 Resp: 1052

Ion Ratio Lower Upper

184 100

185 106.6 15.5 23.3#

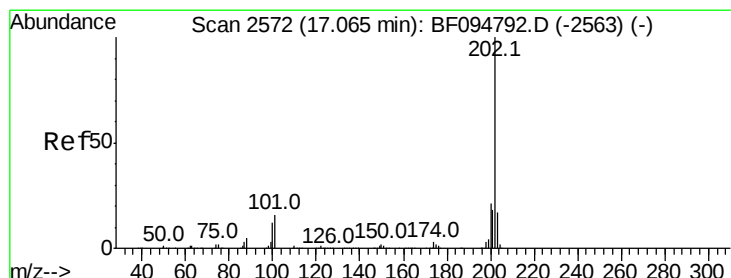
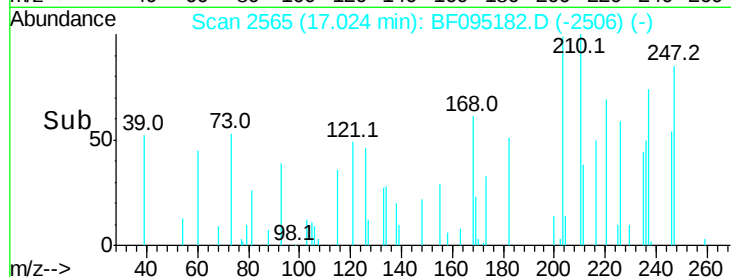
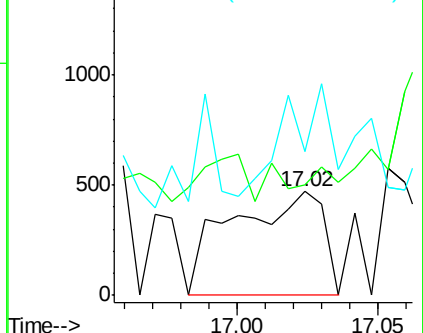
183 139.1 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 8.64 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

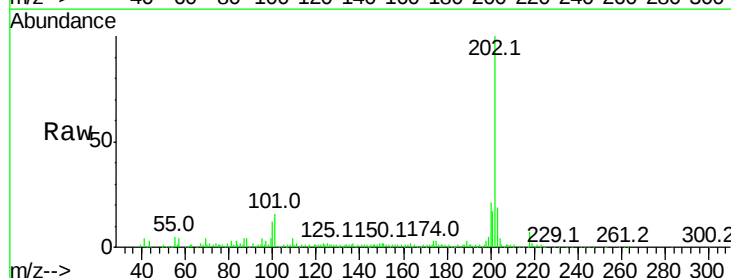
Tgt Ion:202 Resp: 113354

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

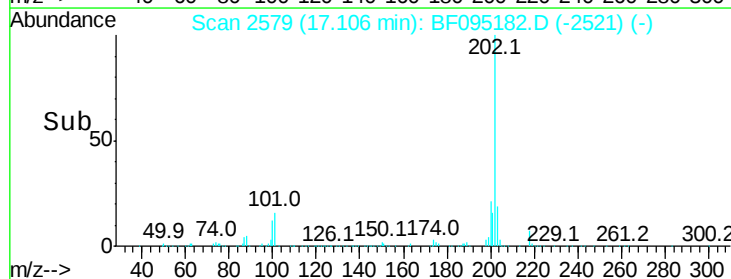
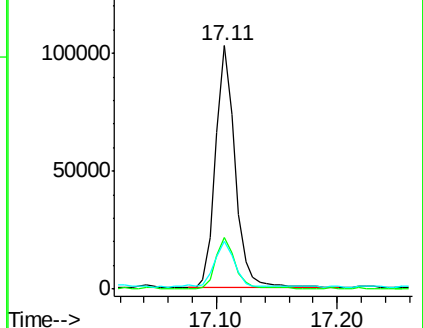
203 19.4 14.4 21.6

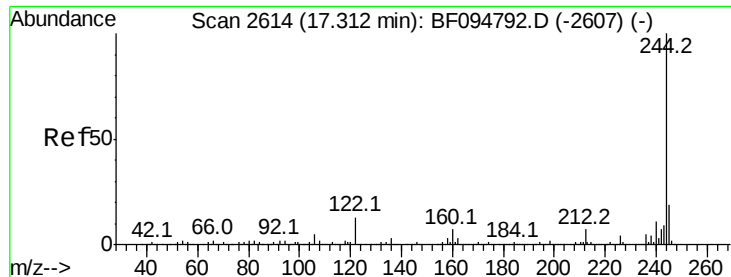


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.55 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

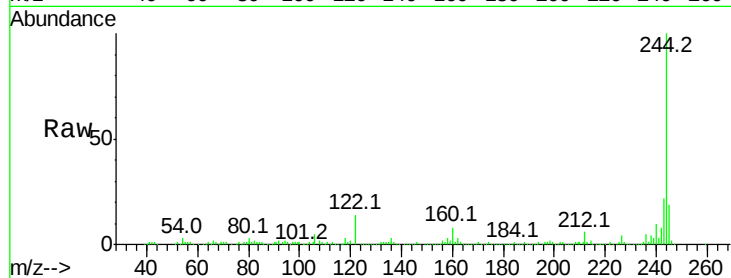
Tot Ion:244 Resp: 402815

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

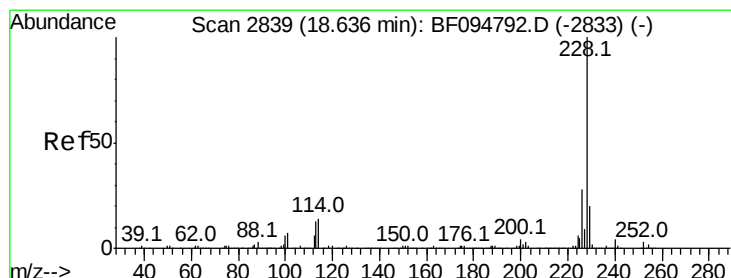
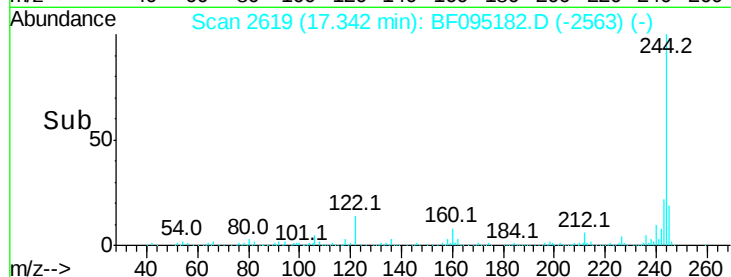
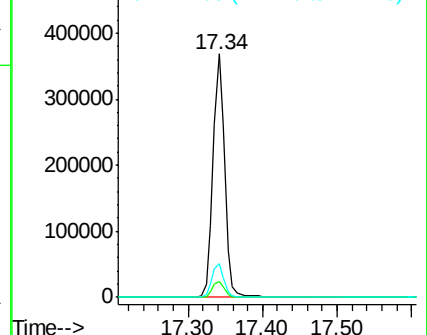
122 13.7 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.61 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.09 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

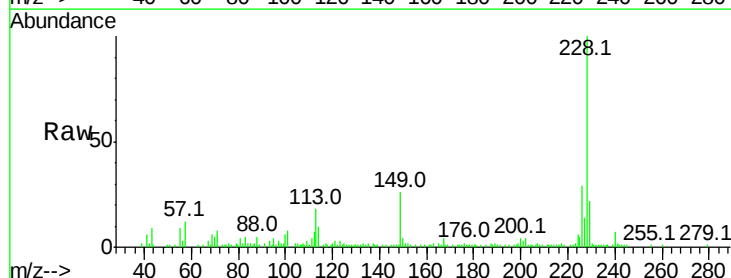
Tgt Ion:228 Resp: 67517

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

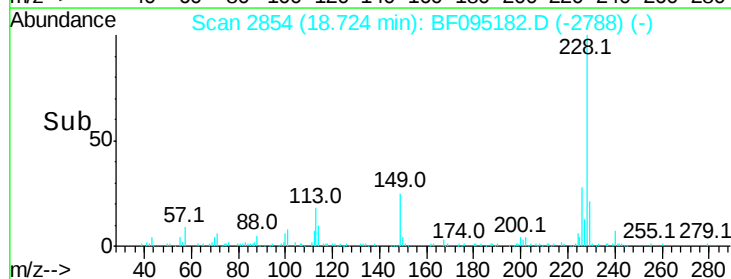
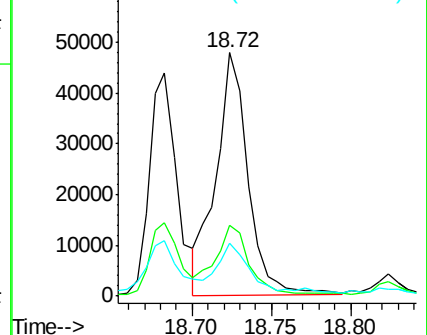
229 21.6 16.3 24.5

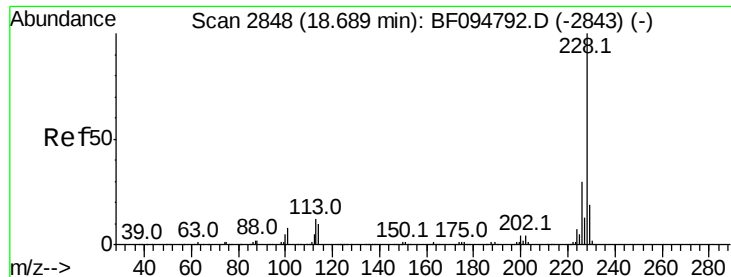


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.84 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

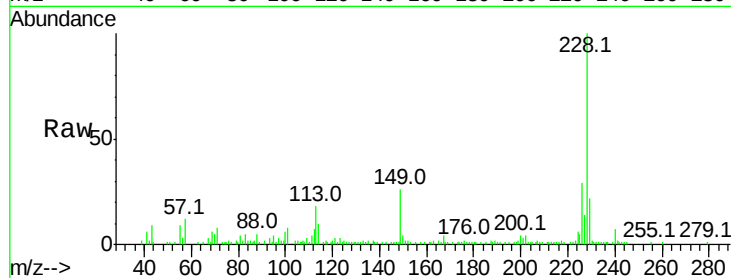
Tot Ion:228 Resp: 67517

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

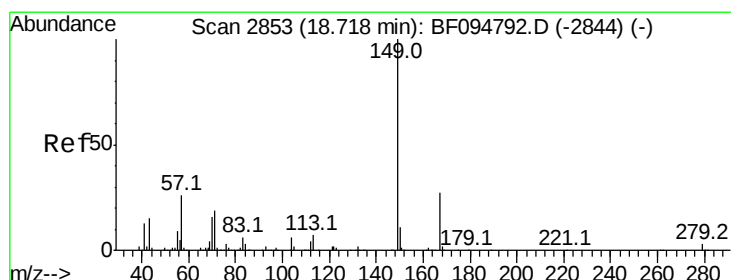
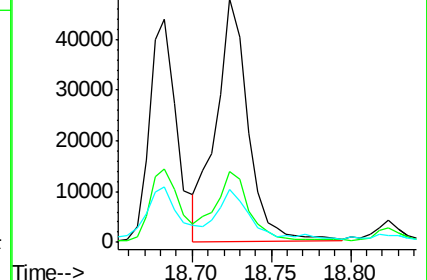
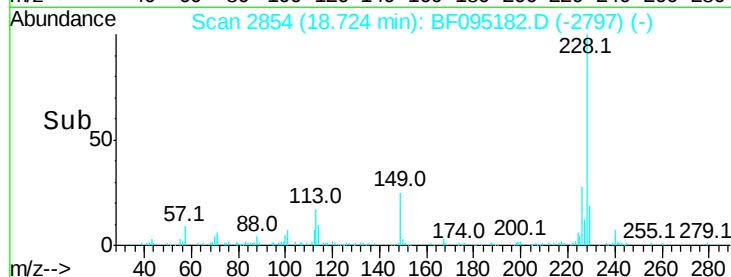
229 21.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 13.12 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.02 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

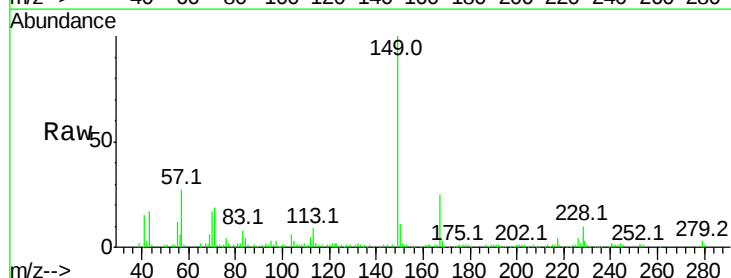
Tgt Ion:149 Resp: 114113

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

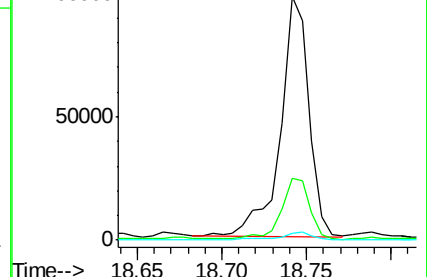
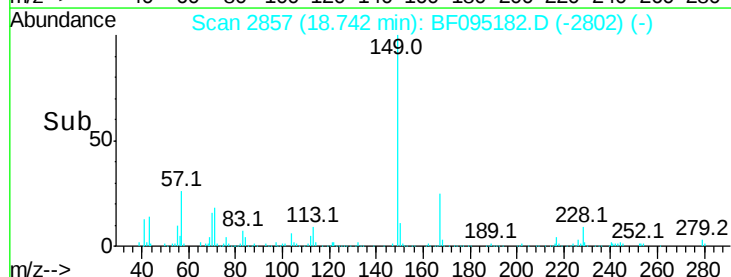
279 2.6 1.9 2.9

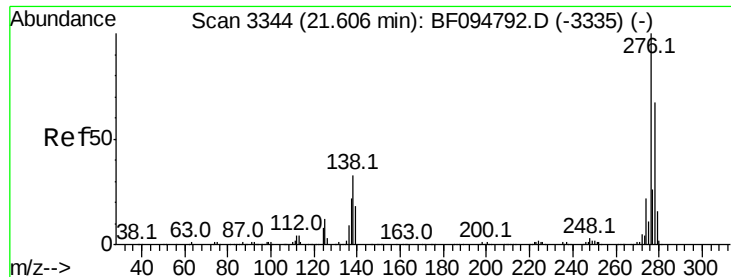


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

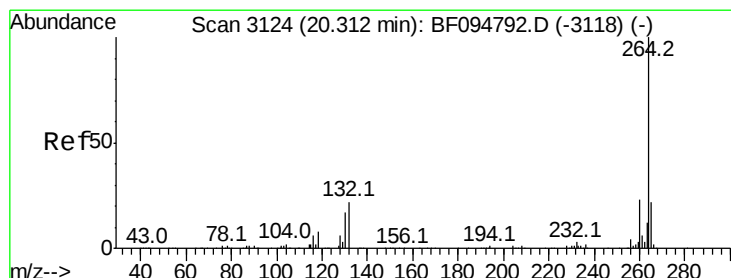
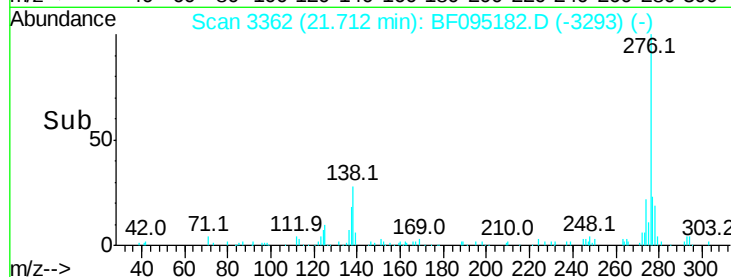
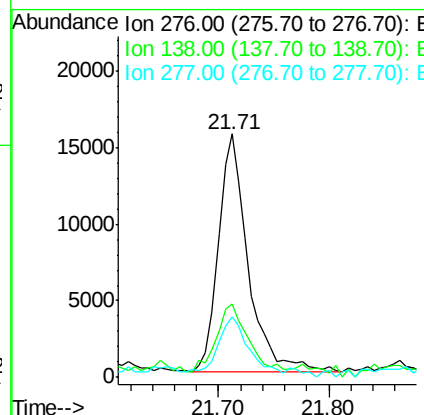
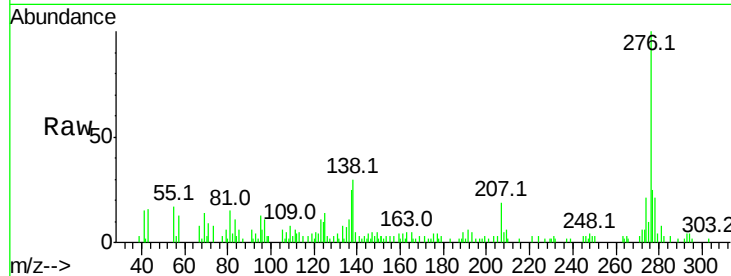




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.59 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.11 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

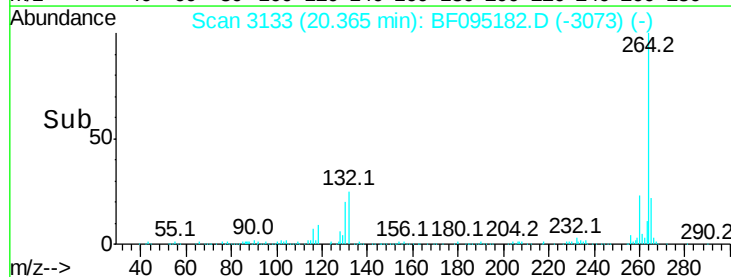
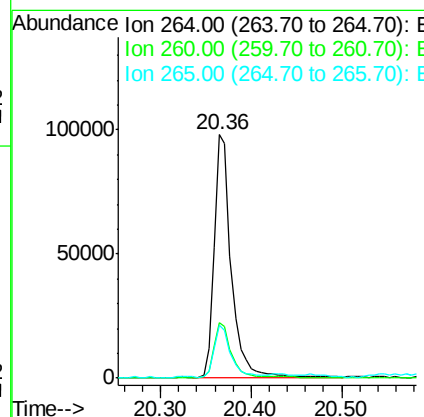
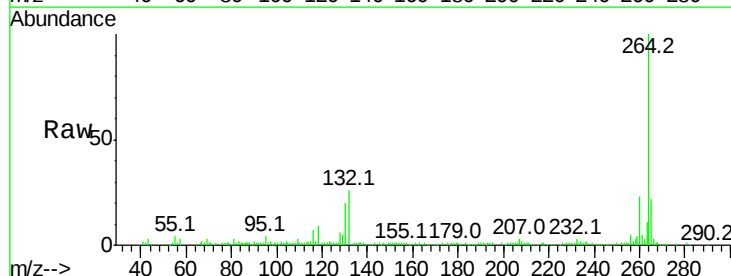
Instrument :
BNA_F
ClientSampleId :

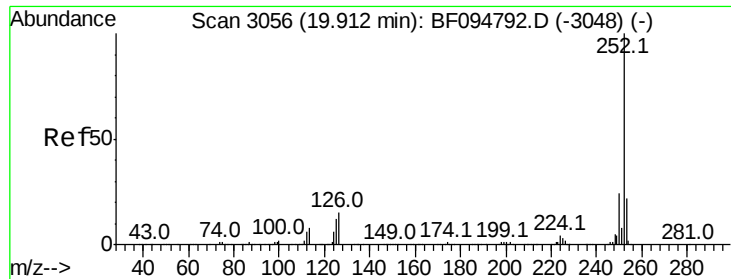
Tot Ion:276 Resp: 28809
Ion Ratio Lower Upper
276 100
138 30.5 27.8 41.6
277 23.0 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion:264 Resp: 131547
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 21.6 17.2 25.8

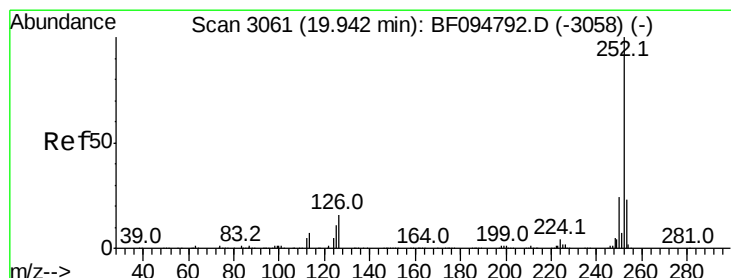
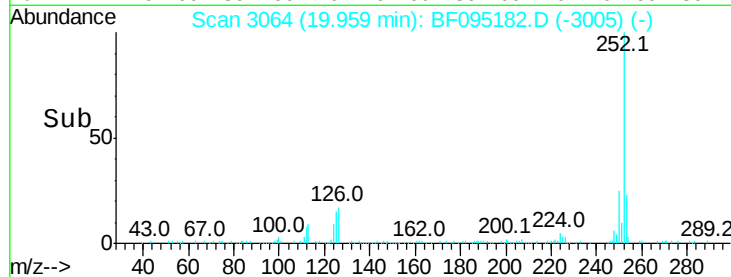
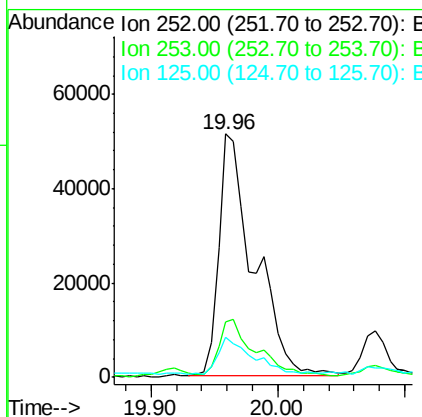
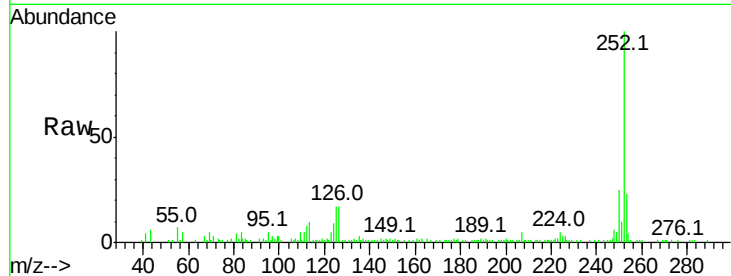




#87
Benzo(b)fluoranthene
Concen: 12.13 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.05 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

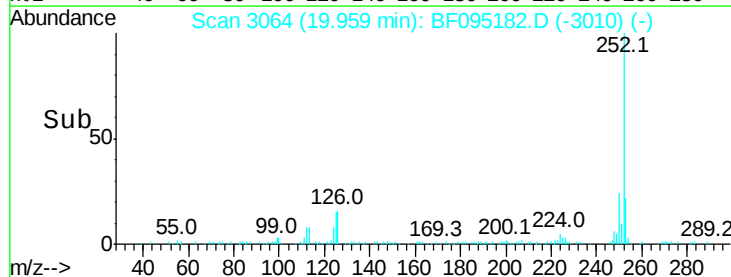
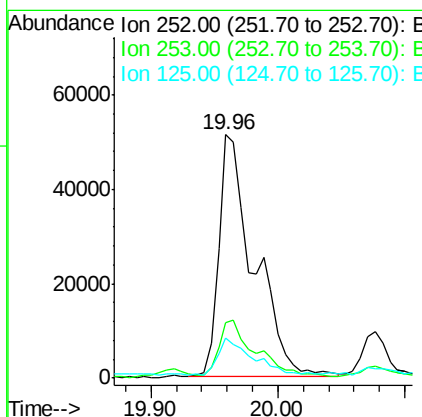
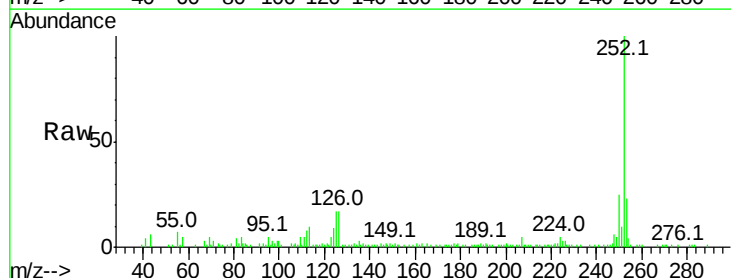
Instrument :
BNA_F
ClientSampleId :

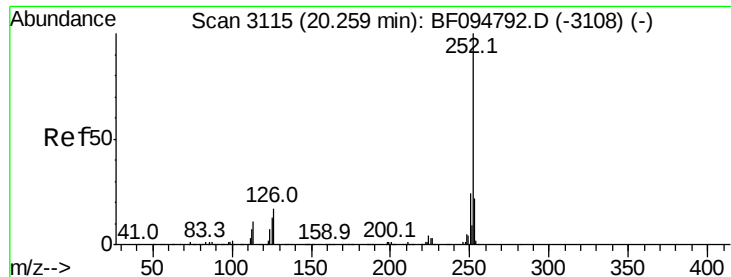
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	16.7	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 12.58 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	16.7	13.1	19.7

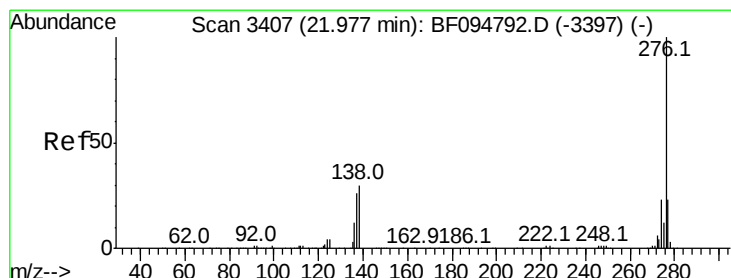
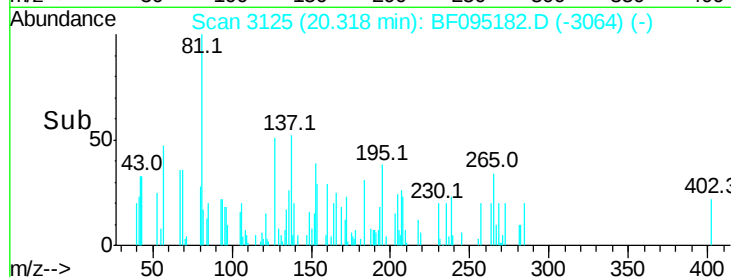
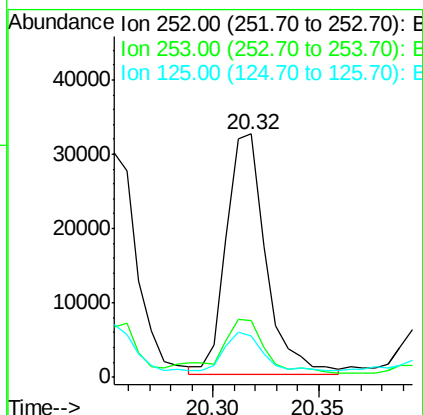
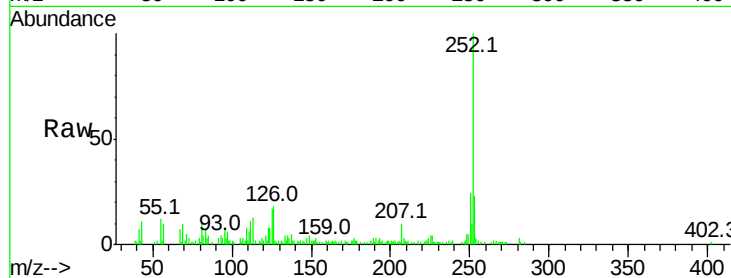




#89
Benzo(a)pyrene
Concen: 5.59 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41901
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 17.1 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 5.23 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion:276 Resp: 31786
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 29.1 25.4 38.0

